

CLAIMS

What is claimed is:

1. A method of relaxing typing accuracy, said method comprising:
comparing a geometric pattern formed by an inputted sequence of points to a pattern formed by lexical entry of sequences;
calculating a distance between said geometric pattern and the pattern formed by letters corresponding to said lexical entry of sequences; and
determining a word by selecting a shortest distance between said inputted sequence of points and letters corresponding to said lexical entry of sequences.
2. The method of claim 1, wherein said distance is a mean distance of all inputted sequence of points.
3. The method of claim 1, wherein said distance is an elastic matching distance between said inputted sequence of points and said lexical entry of sequences.
4. The method of claim 3, further comprising normalizing said elastic matching distance by an amount of letters in said word.

5. The method of claim 1, further comprising comparing said shortest total distance to a predetermined threshold distance.
6. The method of claim 5, further comprising outputting said word if said shortest total distance is smaller than said predetermined threshold distance.
7. The method of claim 5, further comprising outputting letters tapped if said shortest total distance is greater than said predetermined threshold distance.
8. A method of relaxing typing accuracy, said method comprising:
 - recording a coordinate of at least one keystroke landing point, wherein said keystroke emanates from tapping a key on a keyboard;
 - counting an amount of tapped landing points;
 - creating a set of words from a lexicon having a same number of said tapped landing points;
 - for each letter in each word in said set, computing a distance from said coordinate to a central position of said key corresponding to said letter;
 - summing a total distance for each word; and
 - selecting a word from said set having a shortest total distance to said coordinate.
9. The method of claim 8, wherein said distance is a mean distance of all said tapped landing points for each word.

10. The method of claim 8, wherein said distance is an elastic matching distance between said tapped landing points and said coordinate.
11. The method of claim 10, further comprising normalizing said elastic matching distance by an amount of letters in said word.
12. The method of claim 8, further comprising comparing said shortest total distance to a predetermined threshold distance.
13. The method of claim 12, further comprising outputting said word if said shortest total distance is smaller than said predetermined threshold distance.
14. The method of claim 12, further comprising outputting letters tapped if said shortest total distance is greater than said predetermined threshold distance.
15. A system of relaxing typing accuracy comprising:
 - a comparing module configured to compare an inputted sequence of points to a lexical entry of sequences;
 - a calculator configured to calculate a distance between said inputted sequence of points and letters corresponding to said lexical entry of sequences; and

a determining module configured to determine a word by selecting a shortest distance between said inputted sequence of points and letters corresponding to said lexical entry of sequences.

16. The system of claim 15, wherein said distance is a mean distance of all inputted sequence of points.

17. The system of claim 15, wherein said distance is an elastic matching distance between said inputted sequence of points and said lexical entry of sequences.

18. The system of claim 17, further comprising a statistical controller configured to normalize said elastic matching distance by an amount of letters in said word.

19. The system of claim 15, further comprising a comparator configured to compare said shortest total distance to a predetermined threshold distance.

20. The system of claim 19, further comprising an output unit configured to output said word if said shortest total distance is smaller than said predetermined threshold distance.

21. The system of 19, further comprising an output unit configured to output letters tapped if said shortest total distance is greater than said predetermined threshold distance.

22. A system of relaxing typing accuracy comprising:

means for comparing a geometric pattern formed by an inputted sequence of points to a pattern formed by lexical entry of sequences;

means for calculating a distance between said geometric pattern and the pattern formed by letters corresponding to said lexical entry of sequences; and

means for determining a word by selecting a shortest distance between said inputted sequence of points and letters corresponding to said lexical entry of sequences.